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Han-Woo Kim / Young-Ok Kim / Jeong-Ho Lee / Kyung-Kil Kim / Yung-Jin Kim,
Biotechnol Lett, Aug 2003
Citrobacter braakii YH-15 produced an intracellular **phytase** which was purified 12800 fold to...is 1.9 times higher than *E. coli* **phytase** previously recorded as having the...mM with a V_{max} 6027 U mg(-1). The **phytase** was resistant to proteases such as...

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- ☐ 3. Enzyme stabilization-recent experimental progress
O'Fagain, C., *Enzyme and Microbial Technology*, Aug 2003
...biosensors. Examples include peroxidases, phospholipase, cellulase, **phytase**, luciferase, bacterial proteases, alpha-amylase and glucose...metalloprotease can withstand 100 °C and denaturants [41] **Phytase** 'Consensus' mutations based on protein sequence comparisons...

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May 2001
GLB3_LAMSP|1.1.1|167#169#|GIANT HEMOGLOBIN AIII CHAIN - LAMELLIBRACHIA SP. (DEEP-SEA GIANT TUBE WORM) GLB1_CALSO|1.1.1|167#|GLOBIN I (HB I) - CALYPTOGENA SOYOA (DEEP-SEA COLD-SEEP CLAM) GLB1_PHESE|1.1.1|167#|GLOBIN

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I, EXTRACELLULAR (ERYTHROCRUORIN) - PHERETIMA SIEBOLDI (EARTHWORM)
 GLB2_CALSO|1.1.
[\[http://bioinfo.mbb.yale.edu/partslist/func/multidom/re...\]](http://bioinfo.mbb.yale.edu/partslist/func/multidom/re...)
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- ☐ 5. [Microsoft Word - GMO-industrie-stage-paper02.doc](#) [PDF-120K]
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 "Aanzet tot het ontwikkelen van een methode voor het systematisch in kaart brengen van de risico's van Genetisch Gemodificeerde Organismen (GGO) in de industrie" 4 juli 2003
 GMO-industrie-stage-paper02.
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 >d3sdha_1.1.1.1.1 Hemoglobin I [ark clam (Scapharca inaequivalvis)] >d1flp__
 1.1.1.1.2 Hemoglobin I [clam (Lucina pectinata)] >d2hbg__ 1.1.1.1.3 Glycera globin
 [marine bloodworm (Glycera dibranchiata)] >d1bvc__ 1.1.1.1.4 Myoglobin [sperm whale
 (Physeter catodon)] >d1mba__ 1.1.1.1.
[\[http://www.mrc-lmb.cam.ac.uk/genomes/SAT/PDBG_file/pdb...\]](http://www.mrc-lmb.cam.ac.uk/genomes/SAT/PDBG_file/pdb...)
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- ☐ 8. [GENE RECOMBINATION AND HYBRID PROTEIN DEVELOPMENT](#)
VOIGT, Christopher, A. / WANG, Zhen-Gang / ARNOLD, Frances, H. / MAYO, Stephen, L. / CALIFORNIA INSTITUTE OF TECHNOLOGY, PATENT COOPERATION TREATY APPLICATION, Jul 2003
 The invention relates to improved methods for directed evolution of polymers, including directed evolution of nucleic acids and proteins. Specifically, the methods of the invention include analytical methods for identifying "crossover locations" in a...
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 >d3sdha_1.1.1.1.1 Hemoglobin I {ark clam (Scapharca inaequivalvis)}
 svydaaaqltadvkkdlrdswkvigsdkkngvalmttlfadnqetigyfkrigvnsqgm
 andklrghsitlmyalqnfidqldnpddlvvcvvekfavnhitrkisaaefgkingpikkv
 lasknfgdkyanawaklvavvqaal >d1phna_1.1.1.2.
[\[http://astral.berkeley.edu/scopseq-1.39/astral-scopdom...\]](http://astral.berkeley.edu/scopseq-1.39/astral-scopdom...)
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- ☐ 10. [New developments in solid state fermentation: I-bioprocesses and products](#)
Pandey, A. / Soccol, C.R. / Mitchell, D., Process Biochemistry, Jul 2000
 ...Staphylococcus sp., Kluyveromyces marxianus Wheat bran, chicory roots **Phytase A**.
 ficuum , A. carbonarius Canola meal Tannase R. oryzae Wheat...B 6 , riboflavin,
 thiamine, nicotinic acid, nicotinamide **Citrobacter freundii** , Klebsiella pneumoniae ,
 Rhizopus oligosporus...
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- ☐ **11. Phosphate solubilizing bacteria and their role in plant growth promotion**
Rodriguez, H. / Fraga, R., *Biotechnology Advances*, Oct 1999
 ...*Bacillus circulans* 11 17 6 [64] **Citrobacter** freundii 16 7 5 [64] nd
 indicates...*Enterobacter*, *Serratia*, **Citrobacter**, *Proteus* and *Klebsiella* [80...Non-specific
 Acid phosphatase [80] **Citrobacter** freundii Non-specific Acid...*subtilis* Inositol phosphate
Phytase [83] *Pseudomonas putida* Inositol...
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WANG, Zhen-Gang / VOIGT, Christopher, A. / MAYO, Stephen, L. / ARNOLD, Frances, H. / CALIFORNIA INSTITUTE OF TECHNOLOGY, PATENT COOPERATION TREATY APPLICATION, Nov 2001
 The invention relates to improved methods for directed evolution of polymers, including directed evolution of nucleic acids and proteins. Specifically, the methods of the invention include analytical methods for identifying "crossover locations" in a...
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1973- Sharma, Manan,, Jan 2000
 ...packing. Other fecal coliforms isolated from these fruit before waxing include *Klebsiella pneumoniae*, *Enterobacter* spp., and **Citrobacter** freundii. However, no *Salmonella* was recovered at any stage during the process. Packinghouse procedures also lowered the...
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- ☐ **14. Biochemical engineering**
Current Opinion in Biotechnology, Jan 1995
 Biochemical engineering Fermentation design, monitoring, control and validation 243
 Foreign DNA in Transgenic Plants. *Mot Gen Genet* 1994, 243:390-399. Miao ZH, Gaynor JJ: Molecular Cloning, Characterization and Expression of Mn-Superoxide Dismutase from the Rubber Tree (*Hevea Brasiltensis*).
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Journal of Chromatography A, Jan 1976
 GENERAL REVIEWS AND BOOKS Books on column chromatography 1 Altgelt, K.H. and Segal, L.: Gel Permeation Chromatography. Marcel Dekker, New York, 1971. - 2 Angel6, H.-P.: Four-Language. Technical Dictionary of Chromatography (English-German-French-Russian).
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- ☐ **16. Inositol-phosphates Hydrolysis, stability and analysis**
Potman, W. / Lijklema, L., *Water Research*, Jan 1983
 ...citrate/NaOH (Merck) buffer pH 8-11 0.1 M Tris buffer/HCl **phytase** (Sigma) magnesium acetate p.a. (Merck) were used. Apparatus...1979) Electron microscope studies on the uptake of lead by a **Citrobacter** species. *Microbios Lett.* 9, 7-15. Allen S. E. (1974) Chemical...
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